

The
Catholic



Course Selection Booklet
2021-2022

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COURSE SELECTION PROCESS

The course selection process is generally student-directed, but parent involvement is important. Parents and students should read this booklet in its entirety and discuss the student's plans for the future and how they relate to the courses they wish to take. Students are advised to discuss college and career aspirations and any resulting course requirements with their school counselor. We urge parents and students to discuss course selections in relation to the students' academic goals and talents.

The course selection process:

- Students will select the courses they want to take based on their teachers' recommendations, their college and career aspirations, and their personal interests. We encourage all students to consult with their parents as they complete this process.
- As necessary, counselors meet with students who have questions or concerns regarding course selections or in cases where there is a discrepancy between a student's selections and her teachers' recommendations.
- Students receive a list of the course selections that have been officially entered into the school's database. Students then have the opportunity to discuss and make any corrections or changes with their school counselor.

Please note: Course offerings are subject to change upon notice and are dependent upon sufficient course enrollment. Course offerings are not guaranteed by their publication in this document.

COURSE LEVELS AND ACADEMIC PLACEMENT

AP – Advanced Placement

H – Honors

CP – College Preparatory

Academic Standards and Placement

Academic subjects may be offered at the College Preparatory, Honors, or AP level. Course placement for entering students is based on transcript of grades earned and performance on standardized testing.

Course placement for current students is based on academic performance at TCHS. Students should meet the following criteria to maintain or advance course placements into the next year, as it appears on the following chart.

Level to Level	Criteria/Grade in Current Year's Course
Honors to Honors or AP to AP*	B
Honors to AP	B+ and permission of Department Chair
CP to Honors	B+ and permission of Department Chair
CP to AP	Permission from the Department Chair and from an additional teacher in the content area.

*Additionally, students registering for Advanced Placement courses in the History or English Departments must submit a writing sample of acceptable quality based upon an AP scoring rubric to be approved for enrollment in the class.

Aside from the criteria for determination of course placement, individual courses may have their own specific prerequisites. Where applicable, prerequisites are listed on the following pages under the relevant course description.

GRADUATION REQUIREMENTS

Classes of 2022 through 2025

Theology	4 credits
English	4 credits
Social Studies	3 credits
Mathematics	4 credits
Science	3 credits
World Language	2 credits
Health/Physical Education	1 credit
Visual and Performing Arts	1 credit
Technology	.5 credit
Electives	5.5 credits
Community Service	30 hours per year

The administration of Catholic High retains the right to make minor adjustments in credit requirements for graduation in situations where a student's accomplishment in a particular area may warrant it. In all cases, the requirements of the Maryland State Department of Education for Non-Public Schools will be met. The decision of The Catholic High School of Baltimore in these matters is final.

COURSE DESCRIPTIONS

THEOLOGY

012 CP Theology Scripture and Revelation

Theology 9

Grade 9

Credit 1

In the first semester of grade 9, students explore the Bible, our Sacred Scripture. Students prayerfully reflect on the Word of God in the Old and New Testament. Students grow in their knowledge of the God of Salvation History: Father, Son, and Holy Spirit. In the second semester students, consider the mystery of Jesus Christ as the ultimate revelation of the Holy Trinity. This reflection provides a context to articulate and answer their call to discipleship.

022 CP Theology the Paschal Mystery of Christ and His Church

Theology 10

Grade 10

Credit 1

In the first semester of grade 10, students take an in-depth course on the Paschal Mystery of Christ: His Passion, Death, Resurrection, and Ascension. Students explore some of the great mysteries of life and the profound love that our God has for us. In the second semester, students examine the nature and mission of the Church founded by Christ and guided by the Holy Spirit. Students explore the mystery and history of the “One, Holy, Catholic, and Apostolic Church.”

032 CP Theology Sacraments and Morality

Theology 11

Grade 11

Credit 1

In the first semester of grade 11, students closely examine the Seven Sacraments of the Catholic Church. By prayerfully reflecting on the history and elements of each Sacrament, students have the opportunity for a deeper encounter with Jesus, our ultimate Sacrament. In the second semester, the students are challenged to live out more completely the Gospel message. By exploring the moral laws, concepts, and precepts of the Catholic Christian faith, students have a greater understanding of God’s universal truth. This knowledge helps students as they attempt to more fully discern God’s plan for their lives.

041 H Theology Apologetics

Apologetic

Grade 12

Credit 1

Apologetics is the careful explanation and analysis of the philosophical implications and the doctrinal content of faith as expressed in the creeds, doctrines, and theological writings of the Christian Tradition. This course is a capstone experience that draws on the theology taught in the first three years. The graduating senior then finds it possible, in the words of St. Francis to “Preach the Gospel always and use words if necessary.”

042 CP Theology World Religions and History of the Church

Theology 12

Grade 12

Credit: 1

In the first semester, students examine the many Religions of the World in light of Natural and Divine Revelation. This course helps students see spiritual truths in non-Christian religions and grow in the ecumenical spirit of the Church since Vatican II. Students study the Three Abrahamic Faiths as well as the religions of India, China, and Japan form the main content. In the second semester students journey through the 2,000-year history of the Church. Students identify the main civilizational trends of the Ancient, Medieval, and Modern Periods, and how they affected the Church.

052 CP Leadership and Social Justice

LeadSocJus

Grade 12, Required for Law and Leadership Program

Credit 1

In this course students explore the Seven Themes of the Catholic Social Teaching and apply papal, conciliar, and episcopal documents to concerns of modern society. The meanings of justice, the needs of the human person, and the intersection of rights and responsibilities are part of this study. Rigorous coursework complements Franciscan values, encouraging and enabling students to engage in advocacy as a capstone to the course.

ENGLISH

103 CP, 104 CP Academic Cognitive Enrichment

ACE I and ACE II

Grades 9, 10

Credit 1

As part of the Archangel Program, these courses enrich the students' academic cognitive abilities by focusing on improving academic skills, remediation, class work, study skills, time management, organizational skills, and test-taking strategies. Students participate in lessons that help them improve in their most needed areas.

111 H, 112/113 CP English Composition and Literature

Lit/Comp H, Lit/Comp, Lit/Comp 9

Grade 9

Credit 1

English 9 focuses on developing reading comprehension for analysis and writing skills. Students read, interpret, and analyze fiction and nonfiction through an in-depth study of novels, short stories, poetry, and drama. While reading and writing a variety of essays, students learn and apply MLA format, sentence structure, paragraph development, grammar, and vocabulary.

121 H, 122/123 CP American Literature and Composition

HAmerLit 10

AmL/Comp 2

Grade 10

Credit 1

This course surveys American literature through modern times. Students explore the culture, heritage, and history of the American people through the study of short stories, poetry, novels, and drama. Students interact with literature through various types of essays, expanding on writing skills learned in English 9.

131 H, 132 CP British Literature and Composition

BritLit H

BritLit/Comp 11

Grade 11

Credit 1

This course surveys the development of British literature from its origins through the 20th century. Students read a variety of fiction, drama, poetry, and prose while examining the social and cultural impact each historical period had on the literature of the time. Additionally, students continue to build and hone their reading comprehension, writing, listening, speaking, and vocabulary skills. Grammar, mechanics, and usage are covered within the context of the literature and writing.

141 H, 142 CP World Literature and Composition

Wld Lit H

WldLit 12

Grade 12

Credit 1

World Literature students explore world cultures through literature from ancient to modern times. Students analyze literature by comparing and contrasting themes and evaluating the philosophical, political, ethical, and social influences that shape the literature in a particular place and time. Students develop writing and critical thinking skills through reflective and analytical essays. Knowledge of themes or issues from the literature is demonstrated through writing, presenting, and defending a research paper.

148 AP Language and Composition

AP EngLang

Grade 11

Credit 1

AP English Language and Composition is an academically rigorous course that provides students the rhetorical foundations that prepare them for the demands of academic and professional writing. The course also examines the formal study of argumentation. Students read sophisticated, thought-provoking nonfiction and fiction texts. They practice writing in several rhetorical modes. Throughout the course, students continue building and honing their vocabulary and grammar, usage, and mechanics skills. Students may opt to take the AP test or apply for dual enrollment credit with Notre Dame University Maryland (NDMU)--additional fees may apply.

PREREQUISITE: See page 4.

149 AP AP Literature and Composition

AP Eng Lit

Grade 12

Credit 1

AP English Literature and Composition students engage in the careful reading and analysis of novels, plays, poems, and short stories from various authors and time periods. Emphasis is placed on reading comprehension, critical analysis of works, literary vocabulary, and recognizing and understanding literary devices.

Students practice and develop writing skills through analytical and argumentative essays as well as critical response and reflection. Students may opt to take the AP test or apply for dual enrollment credit with Notre Dame University Maryland (NDMU)--additional fees may apply.

PREREQUISITE: See page 4.

171 CP Art of Film

LittoFilm

Grades 11 and 12

Credit .5

This is an introductory course that acquaints students with the art of film and enables them to gain a greater understanding and appreciation of this important medium. The course covers the history of cinema, various cinematic theories and genres, and profiles the industry's most influential directors. The course also incorporates extensive screenings of selected films and readings from film literature.

SOCIAL STUDIES

211 H, 212 CP, 213 CP World Civilizations

WldCiv H, WldCivil CP

Grade 9

Credit 1

This course studies the major cultural, economic, political, and social events from ancient times through the Renaissance, as well as the geographical settings in which they occurred. Students investigate the rise and fall of empires and the development of nation states. A correlation is made between past events and the modern world. Emphasis is placed on critical thinking, deductive reasoning, independent research, writing skills, and primary sources.

221 H, 222 CP, 223 CP United States History

US History H, US History CP

Grade 10

Credit 1

This course is an integrated survey of the development of our nation and it examines the historical, political, social, religious,

constitutional, and geographic aspects of the United States, emphasizing research skills, critical thinking, and deductive reasoning. Writing and other independent work is expected of each student.

PREREQUISITE: Successful completion of World Civilizations, see page 4.

231 H, 232 CP United States Government

HGovernment, Government CP

Grade 11

Credit 1

This course looks at the English origins of our federal, state, and local governments. It examines the what, how, and why of the changes that have occurred in the formation of our present American system of government. Students evaluate how our government works through participation in real world applications and simulations that help to analyze different aspects of democracy. Being a good citizen and an effective member of a participating democracy is stressed throughout the course. Students learn independent research, critical thinking, in-depth writing, and constitutional development.

PREREQUISITE: Successful completion of US History, see page 4.

245 AP United States History

APUSHistory

Grade 10

Credit 1

This course is an integrated survey of the development of our nation. Students examine the historical, political, social, religious, constitutional, and geographic aspects of the United States. Students develop independent research skills, as well as critical thinking, and deductive reasoning skills through primary and secondary sources. This course involves extensive writing and other independent work. Upon successful completion of this course, students are prepared to take the Advanced Placement U. S. History Exam. AP exam fee may apply.

PREREQUISITE: See page 4.

230 AP Government

Govt AP

Grades 11 and 12

Credit 1

This course includes the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. Students become familiar with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics, and become acquainted with a variety of theoretical perspectives and explanations for various behaviors and outcomes. Upon completion of this course, students are prepared to take the Advanced Placement Exam in Government and Politics. *Students may opt to take the AP test or apply for dual enrollment credit with Notre Dame University Maryland (NDMU)--additional fees may apply.*

PREREQUISITE: See page 4.

220 AP European History

AP EurHist

Grade 11 and 12

Credit 1

In this course students investigate significant events, individuals, developments, and processes in four historical periods from the 1400's to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources, developing historical arguments, making historical comparisons, and utilizing reasoning about context, causation, continuity and change over time. *Students may opt to take the AP test or apply for dual enrollment credit with Notre Dame University Maryland (NDMU)--additional fees may apply.*

253 Introduction to Psychology (College Psychology) ***(Offered online through Anne Arundel Community College)***

Coll Psych

Grades 11 and 12

Credit .5 (TCHS)

3 college credit hours (AACC)

Students explore major psychological theories and concepts and related current research. Topics include learning, psychological bases of behavior, motivation and emotions, human development, personality, and abnormal behavior. This is not an AP class,

but quality points are assigned at the AP level. *Note: Students enrolled in this course will be responsible for the Anne Arundel Community College tuition fee (approximately \$430.00).*

251 Abnormal Psychology

(Offered online through Anne Arundel Community College)

Abnorm Psy

Grades 11 and 12

Credit .5 (TCHS)

3 college credit hours (AACC)

Students learn about mental disorders, including an examination of causes, symptoms, treatment, and management. They also study anxiety disorders, mood disorders, personality disorders, and schizophrenia. Students explore problems in the field of abnormal psychology and discuss current attempts to solve them. This is not an AP class, but quality points are assigned at the AP level. *Note: Students enrolled in this course will be responsible for the Anne Arundel Community College tuition fee (approximately \$430.00).*

PREREQUISITE: Successful completion of course 253
Introduction to Psychology

270 Introduction to Sociology

(Offered online through Anne Arundel Community College)

IntrSoc

Grade 11 and 12

Credit .5 (TCHS)

3 college credit hours (AACC)

Students learn sociological principles and perspectives as a way of understanding everyday social life. They study meanings and functions of various roles in historical and contemporary societies. Students evaluate causes, consequences, and comparisons of social hierarchies. This is not an AP course, but quality points are assigned at the AP level. *Note: Students enrolled in this course will be responsible for the Anne Arundel Community College tuition fee (approximately \$430.00).*

279 H The Holocaust and Genocide

Holocaust

Grade 11 and 12

Credit 1

This course explores the history of Anti-Semitism, from stereotyping to discrimination and ethnic cleansing. Students analyze events leading to the Holocaust as well as conditions of Holocaust victims. Additionally, students research instances of similar acts of discrimination and genocide of other ethnic groups, both in the past and today, in order to detect patterns throughout history. Students analyze primary and secondary sources and rely on critical thinking, deductive reasoning, and writing skills. The course includes guest speakers and a trip to the Holocaust Museum.

273 H The World Since 1939

World 1939

Grade 11 and 12

Credit .5

This course surveys major world events and movements since World War II. Topics include, the Cold War and the many subsequent regional wars, nuclear proliferation, independence movements in Africa, South America and Asia, the end of apartheid in South Africa, the establishment of the European Union, major political and trade alliances, the rise of terrorist movements, the space race, and environmental movements worldwide. Students are expected to analyze primary and secondary sources and use their skills in critical thinking, deductive reasoning, and writing.

280 CP The Presidency

Presidency

Grade 11 and 12

Credit .5

This course investigates the role of the President throughout the history of the United States. The course examines the evolution of the presidency with regards to power and prestige from 1789 to the present and provides an in depth look at the individuals who have held the office of the President.

281 CP Human Geography

HumGeog

Grade 11 and 12

Credit .5

This course focuses on social, economic, political, cultural, and human-environment processes and patterns and how they change over space and time. The course aims to engender a critical geographical perspective on the past, present, and future development of the social world.

A Program of Law and Leadership in the Franciscan Tradition

Purpose: This program empowers young women to be active, engaged citizens by providing them with the knowledge and skills they need to successfully effect change in local and global communities. This program is intended for young women who have excellent writing, presentation, and communication skills while providing leadership opportunities, extracurricular involvement, and real-world experiences in Law and Leadership. Our curriculum is designed to develop the essential skills of responsible leadership, and an appreciation for the principals and values upon which the legal system rests in order to successfully change society in a morally, ethically, and responsible way.

Year	Courses
9th Grade	Responsible Leadership in the Franciscan Tradition (.5 credit) Introduction to Law (.5 credit)
10th Grade	US History (1 credit) Criminal Justice (.5 credit) Public Speaking (.5 credit)
11th Grade	Government (1 credit) Civil Rights Law and Policies (.5 credit) Civil Discourse (.5 credit)
12th Grade	Leadership and Social Justice (1 credit) Global Issues (.5 credit) Capstone Project (.5 credit)

Students must participate in at least two of the following extra-curricular activities in order to fulfill the requirements of this program:

- Duns Scotus Forensics Society
- Student Council
- Youth and Government Program
- TCHS/Curley Mock Trial Team
- Student Congress
- Maryland Page Program
- Model UN Club

101 CP Responsible Leadership in the Franciscan Tradition Franciscan

Grade 9 Law & Leadership Students Only
Credit .5

This course explores how to be a leader in today's challenging environment. Students learn transferable skills that help them contribute courteously to our ever-changing world as ethical leaders. Supported by Franciscan values, this program is holistic and built on the philosophy of servant leadership.

PREREQUISITE: Admission to the Law and Leadership Program

282 CP Introduction to Law

IntroLaw
Grade 9 Law & Leadership Students Only
Credit: .5

This course introduces students to the roles of laws and courts in American society. Students investigate the development of law in society, types of law, the role of courts, and the legal field and its intersection with contemporary issues. Additionally, throughout the course students have an opportunity to explore legal careers. Students engage in active learning experiences such as discussion, debate, mock trials, moot courts, role play, case studies, simulations, and small group exercises. Guest speakers and field trips to local courts are additional essential experiences for students in the course.

PREREQUISITE: Admission into the Law and Leadership Program

265 Criminal Justice

CrimJust

Grades 10, 11, 12 or Law & Leadership

Credit .5

This course presents students with an overview and an introduction to the Criminal Justice System. Students study law enforcement practices and procedures, evidence collection and identification, constitutional law, criminal law, criminal procedure, trial practice and procedure, corrections, and juvenile law. Some major related skills include written and oral presentations, research strategies, interviewing and interrogation techniques, arrest techniques, critical thinking, computer literacy, understanding the nature and causes of crimes, developing the ability to identify and analyze social problems, and decision making.

266 Public Speaking

PubSpeak

Grades 10, 11, 12 or Law & Leadership

Credit.5

This course is an introduction to speech communication which emphasizes the practical skill of public speaking, including techniques to lessen speaker anxiety, and the use of visual aids to enhance speaker presentations. Civility and ethical speech-making are the foundations of this course. Its goal is to prepare students for success in typical public speaking situations and to provide them with the basic principles of organization and research needed for effective speeches.

278 CP American Civil Rights Law and Policies

CivRights

Grade 11 and 12 or Law & Leadership

Credit .5

This course addresses the struggle for civil rights in America from colonial times to the present, arising at both the state and federal level. Topics covered include slavery, Reconstruction, Jim Crow laws, the Great Migration, redlining, segregation, the Civil Rights movement, affirmative action, and anti-discrimination laws. U.S. legal principles and their application to debated policy are crucial to a survey of this subject. Incorporating primary and secondary sources in research and writing, students consider the real-world consequence of civil rights legislation.

205 Civil Discourse and Debate

CivDebate

Grades 11, 12 or Law and Leadership

Credit .5

This course affords the opportunity for students to communicate one's ideas and values effectively while listening to and understanding the ideas and values of others. Students consider how and when to use their voices and develop skills to think critically and engage each other in insightful and productive discourse. Throughout the course, students reflect on their values and goals as involved members in a democratic society, researching and analyzing current events and social issues. By developing their listening skills, students grow in knowledge and learn from different perspectives. In keeping with the Franciscan tradition, this course emphasizes respect, empathy, concern for others, human rights, and dignity.

283 H, 284 CP Global Issues

H-Global/CP-Global

Grade 12 or Law and Leadership

Credit .5

This course is designed to broaden students' global competency, increasing their awareness and understanding of major issues facing the world today. Students research and analyze problems from ecological, economic, ideological, cultural, and political perspectives, with the aim of recognizing the complex facets of globalization. By addressing current issues from multiple perspectives, students develop tools to envision a greater range of solutions. Students are expected to incorporate their understanding of the geopolitical landscape into American foreign policy.

285 CP Capstone Project

CapstonePr

Grade 12 Law & Leadership Only

Credit .5

This course is the culminating project for the Law and Leadership Program. Students research and critically analyze an important social issue they are passionate about as involved member in a democratic society. Students then present the topic to faculty, family, and guests in an engaging, interactive event intended to

feature the students' knowledge and communication skills. This provides an opportunity for students to showcase that they have studied throughout the program, as well as insights they have gained through their internship and extracurricular experiences.

PREREQUISITE: Successful completion of all required Law and Leadership courses and the approval of the Law and Leadership team.

SCIENCE

320 H Honors Biology

HBiology

Grade 9 or higher

Credit 1

Honors Biology introduces the student to the central concepts of biology, including topics such as the chemical basis of life, the structure of the cell, ecological relationships, principles of genetics, and the evolutionary processes that link the earth's diverse organisms. Laboratory activities are a key part of the course and reinforce the conceptual framework developed in the classroom.

PREREQUISITE: HSPT and elementary / middle school transcripts determine placement. Students must be concurrently taking Algebra 2 or Honors Geometry. (This prerequisite will allow students to take Honors chemistry sophomore year.)

322 CP, 323 CP Biology - College Prep

Biology

Grade 9

Credit 1

This course examines the concepts of biology as well as the process of how biologists study life. We focus our study on the big ideas of biology: the chemistry of living things, the cellular basis of life, information and heredity, growth, development, and reproduction homeostasis, and the evolution and the unity of life. Students use laboratory activities to reinforce material and to learn how to use observations, questions, and experiments to find answers to problems.

331 H, 332 CP, 337 CP Chemistry

HChem

Chemistry

Grade 10

Credit 1

This course introduces students to the basic concepts of chemistry, provides laboratory experience, and teaches critical-thinking and problem-solving skills that demonstrate the relevance of chemistry to everyday life.

PREREQUISITE: For Honors Chemistry: Concurrent placement in Alg. 2 (431) or above, see page 4 for other prerequisites.

334 AP Chemistry

APChem

Grades 11 and 12

Credit 1

This AP course enables students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, applying mathematical routines, and connecting concepts in and across domains. This course is equivalent to a two-semester introductory chemistry class.

PREREQUISITE: Concurrent enrollment in Pre-Calculus or Calculus and completion of Chemistry

343 Conceptual Physics

ConPhysics

Grade 11 and 12

Credit 1

This introductory conceptual physics course allows students to study the rules that govern our physical world. Students study units on mechanics, sound and light, electricity, and magnetism.

PREREQUISITE: Permission of instructor

341 H Honors Physics

H Physics

Grades 11 and 12

Credit 1

Honors physics is an introduction to a basic understanding of kinematics, dynamics, work, energy, waves, light, sound, electricity, magnetism, and quantum theory through reading, discussion, and laboratory experiments.

PREREQUISITE: Concurrent placement in Pre-Calculus or higher, Grade of B or above in Chemistry

340 AP Physics C (Mechanics)

AP Physics

Grades 11, 12

Credit 1

AP Physics C (Mechanics) is an introductory college-level physics course. It is calculus-based, and students will study the foundations of Newtonian mechanics. This includes sections on force, kinematics, momentum, energy, rotational motion, universal gravitation, and simple harmonic motion. Practicing reasoning skills along with laboratory and test taking skills will prepare students to take the AP exam in May.

PREREQUISITE: Concurrent enrollment in calculus and completion of chemistry.

351 H, 352 CP Human Anatomy & Physiology I

HAnat/ Phys, Anat/Phys

Grades 11 and 12

Credit 1

Anatomy and Physiology introduces the major systems of the human body. The course starts with cells and tissues and then introduces the organs and organ systems. By the end of the course, students will be familiar with common anatomical terms and functions of each organ system. An emphasis will be placed on how structure relates to function and how the systems work to maintain homeostasis. We will also discuss how problems relate to various diseases.

PREREQUISITE: Biology, Chemistry

357 AP Biology

AP Bio

Grade 11 and 12

Credit 1

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communications, genetics, information transfer, and ecology. AP test fee may apply.

PREREQUISITE: Biology, Honors or CP Chemistry, Algebra II

See page 4 for other prerequisites.

368 AP Environmental Science

AP EnvSci

Grades 11 and 12

Credit 1

AP Environmental Science is a full-year course designed to be the equivalent of a one-semester, introductory college course in environmental science and prepares students to take the Advanced Placement Exam. Students use scientific principles, concepts, and methodologies to understand the interrelationships of the natural world and identify environmental problems and concerns. Students then analyze and discuss solutions to these problems using a multidisciplinary approach. A wide variety of classroom activities are used to introduce and reinforce material. Students engage in the scientific process and inquiry-based learning through lab experiments and activities. Topics include Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change. AP test fee may apply.

PREREQUISITE: Successful completion of Honors Biology, Honors Chemistry

358 CP Forensic Science

ForenSci

Grades 11 and 12

Credit 1

Students study the field of forensic science and learn to use skills in data collection and analysis, scientific problem solving, and evidence examination to investigate crime scenes. They learn about the law and forensic science, forensic science careers, crime scene investigation, fingerprint analysis, hair and fiber analysis, trace evidence, blood types, blood spatter analysis, DNA evidence, poisons, document analysis, and forensic anthropology.

PREREQUISITE: Honors Chemistry or CP Chemistry, see page 4 for other prerequisites.

364 CP Astronomy

Astronomy

Grades 11 and 12

Credit 1

This is a yearlong course in descriptive and conceptual astronomy. Semester 1 explains the motions of the night sky, the basic tools

and methods of astronomy, characteristics of the solar system, and major figures in historical astronomy. Semester II starts with the Sun, using it as a template to understand the stars. Stellar evolution, the Milky Way Galaxy, other galaxies, and the universe as a whole are included in this course.

STEM Program

The STEM program provides students a rigorous student-centered program that inspires students to pursue careers in high-demand, problem solving fields. STEM students may opt to pursue a concentration in Engineering or Biomed. In order to remain in the program, students must earn at least a B in each STEM (Engineering/Biomed) course requirement.

551 CP, 554 H Foundations of STEM

Grades 9 and 10—required for Engineering and Biomed Students
Credit 1

This year-long course integrates the content and skills of science, technology, engineering, and math. Using both the design process and scientific methods, students will explore real-world problems through the lenses of engineering and biomedical science to investigate the connections between both using an interdisciplinary and project-based approach. This course uses experimentation, collaboration, knowledge application, problem-solving, and creative skills that students can use in every facet of their lives. Student challenges will be hands-on, and solutions will be student-generated. Students will engage in simulations, model/prototype building, technical drawings, etc. This course is required for freshman students in the Biomedical and/or Engineering concentrations of the TCHS STEM Program. Students must have Program Coordinator permission to opt out in the event of a scheduling conflict that precludes enrollment.

PREREQUISITE: Grade 9: Acceptance into STEM Program;
Grade 10: Honors, B in Honors Algebra II and Honors Biology; CP,
B in Algebra I and Biology

STEM--Biomedical Concentration

Students need to **take at least 5 science classes** from the approved sequence. Please note that **Bioethics is mandatory for all Biomed Seniors to graduate from the program** as the Senior Capstone Project is embedded within it unless there is a serious scheduling conflict that precludes enrollment. Students must have Program Coordinator permission to opt out.

Options 9th Grade	Options 10th Grade	Options 11th Grade	Options 12th Grade
Any Biology Course	Any Chemistry Course	384 CP Epidemiology	309 H Bioethics
Foundations of STEM	384 CP Epidemiology	336 CP Biotechnology	336 CP Biotechnology
	373 CP Health Science & Clinical Skills	373 CP Health Science & Clinical Skills	373 CP Health Science & Clinical Skills
		388 CP, 387 H Bioengineering	338 CP, 387 H Bioengineering
		351 H or 352 CP Human Anatomy & Physiology I	351 H or 352 CP Human Anatomy & Physiology I
		330 AP Chemistry	330 AP Chemistry
		356 AP Biology	356 AP Biology
		Adv. Health Science & Clinical Skills	Adv. Health Science & Clinical Skills
			384 CP Epidemiology

Students must maintain an 85 or above in all Biomedical classes to remain in the Biomedical Program.

309 H, 310 CP Bioethics

BioEthicsH

BioEthics

Grade 12

Credit 1

This course is a capstone for the Biomedical Program.

Introduction to Bioethics explores some of the most difficult and fascinating moral challenges we face in health, medicine, and emerging technologies. Throughout, the focus is on moral questions regarding how decisions in these domains are made.

This course is modeled after a course taught at the Kennedy School of Ethics, Georgetown University. The Senior Capstone project preparation and presentation are embedded within this class. **This course is mandatory during senior year in order to graduate from the TCHS Biomedical Program** unless there is a serious scheduling conflict that precludes enrollment. Students must have Program Coordinator permission to opt out.

PREREQUISITE: Must be enrolled in the Biomedical Program and have completed at least 3 classes under the Biomedical umbrella of classes prior to the senior year. See page 4 for other prerequisites.

336 CP Biotechnology

BioTech

Grade 11, 12

Credit 1

Students develop proficiency with the tools and techniques used in research and medical labs and explore the ethics associated with this rapidly progressing field. This course investigates a range of topics in biotechnology and biomedicine as well as their local and global applications and impacts. Various career opportunities are also explored. (Offered in odd years, ex. 2021-2022)

PREREQUISITE: Must be enrolled in either the Biomedical or Engineering Concentration and have completed both a Biology and Chemistry credit. See page 4 for other prerequisites.

384 CP Epidemiology

Epidem

Grade 10, 11,12

Credit 1

This course introduces the basic principles and methods of epidemiology within the framework of biology, with an emphasis on critical thinking, analytical skills, and application to real-world issues. In addition, the themes of global health and social justice are infused throughout this course and address poverty, conflicts and emergencies, health inequity, health systems reforms, and major global initiatives for disease prevention and health promotion.

PREREQUISITE: Must be enrolled in the Biomedical Concentration and have completed a Biology credit plus have completed or be concurrently enrolled in Chemistry credit. See page 4 for other prerequisites.

373 CP Health Science & Clinical Skills

Hea&ClinSk

Grades 10,11,12

Credit 1

This year-long course is designed to provide an overview of all phases of the health care industry including diagnostic, therapeutic, and support services. In addition to career exploration and planning, students study basic anatomy and physiology, medical documentation, medical terminology, cultural awareness, taking vital signs, head-to-toe physical exam, ear & eye procedures, patient transfer, ambulation, and hygiene, catheter and ostomy care, nutrition, health and wellness across life stages, proper PPE skills, aseptic technique/infection control, and roles of the surgical team. Students learn about careers of healthcare professionals in the medical, dental, veterinary, and pharmacy fields. Students must demonstrate competency in clinical skills such as doing patient intake and physical exam, aseptic technique, infection control, emergency care, first aid, and the care of a hospitalized patient. This course is taught through lectures, discussions, labs, and hands-on simulations in the Hinson Clinical Lab, case studies, research, presentations, and projects. **American Red Cross Certification in Adult and Pediatric 1st Aid, CPR, & AED is optional for an extra fee.**

PREREQUISITE: Must be enrolled in the Biomedical

Concentration and have completed a Biology credit; see page 4 for other prerequisites.

374 Advanced Health Science & Clinical Skills (Honors)

AdvHeaSci

Grades 11, 12

Credit 1

This year-long course is designed to emphasize teamwork, effective communication, and real-time problem solving through extensive use of hands-on scenarios utilizing the Hinson Clinical Simulation Lab and other realistic simulators. It will build upon the basic skills learned in Health Science and Clinical skills in that students will learn and must demonstrate competency in a wide array of advanced clinical techniques used by various medical professionals such as patient immobilization, wound care, airway management, childbirth, pharmacological intervention, medical lab skills, IVs, injections, phlebotomy, ECG, catheterization, medical imaging, casting, basic surgical techniques, triage, and mass casualty event training. This course is taught through lectures, discussions, labs, hands-on simulations in the Hinson Clinical Lab, case studies, research, presentations, and projects. Students may have the option to certify (for an extra fee) in American Red Cross Basic Life Support (BLS) which features advanced skills such as defibrillation, Bag-Valve-Mask (BVM) resuscitation, and opioid overdose.

PREREQUISITE: Must be enrolled in the Biomedical Concentration and have completed a Health Science and Clinical Skills credit; See page 4 for other prerequisites.

388 CP 387 H Bioengineering

BioEngH

BioEng

Grades 11 and 12

Credit 1

Bioengineering combines engineering and design principles with medical and biological sciences to research and develop devices, tools, systems, and software that advance healthcare. From helping to conquer deadly diseases to possibly enabling the paralyzed to regain use of their limbs, biomedical engineers apply quantitative solutions to medical problems. Their work ranges from diagnostic tools and therapies to artificial organs and

prosthetics. Selected STEM and Biomedical upperclassmen work in interdisciplinary teams to solve biomedical problems through lectures, active inquiry, critical analysis, creative problem solving, and Grand Challenge Design Projects. Biological topics may include cells, cellular respiration/photosynthesis, human anatomy, biotechnology, cancer, environmental science, nanotechnology, and surgical instrumentation. This yearlong course is open to 10 STEM + 10 Biomedical Program juniors and seniors with Program Coordinator approval. (Offered in even years, ex. 2022-2023)

PREREQUISITE: Must be enrolled in the Biomedical or Engineering Concentration. Must have completed or be concurrently enrolled in Biology. Program Coordinator approval, see page 4 for other prerequisites.

STEM--Engineering Concentration

The Engineering concentration provides a rigorous, 21st century project based and student-centered program that inspires students to pursue technical careers in high-demand, problem solving fields. Engineering students take a prescribed program of courses in science, technology, engineering, and math. In order to remain in the program, students must earn a B or higher in each program requirement.

9th Grade	10th Grade	11th Grade	12th Grade
Honors Biology	Honors Chemistry	Honors Physics	AP Biology AP Chemistry AP Physics AP Env. Sci Honors Bioengi- neering OR Honors Anat&Phys.
Foundations of STEM	Engineering De- sign and Analysis	Introduction to Computer Science	Senior Research
Honors Algebra II	Honors Geometry	Honors Precalculus	Honors Calculus or AP Calculus

		AP Biology AP Chemistry AP Physics AP Env. Sci Honors Bioengineering OR Honors Anat&Phys.	Optional: Tech Support Biotechnology
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528 Engineering Design and Analysis

EngDesign

Grade 10—required for Engineering Concentration

Credit 1

In this hands-on, design-based, inquiry-focused engineering course, students utilize the engineering design process, make data-driven decisions, and work in multi-level teams to solve complex challenges. Once students know the engineering design process and how to make data driven decisions, they are ready to apply these abilities, along with basic coding skills, to design more complex solutions in a systems engineering capstone challenge.

PREREQUISITE: Successful completion of Foundations of STEM (551), Honors Algebra 2 (431), and Honors Biology (320) with a B. See page 4 for other prerequisites.

541 H Introduction to Computer Science

IntCompSci

Grades 11 and 12--required for Engineering Concentration

Credit 1

Introduction to Computer Science utilizes a Python 2 curriculum to teach the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem-solving skills. Once students complete the Introduction to Computer Science in Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program using Python 2. The basic syntax and application of additional programming languages may also be discussed as it applies to fields in computer science. This course will also investigate internal and external hardware components of computer devices.

PREREQUISITE: Successful completion or concurrent enrollment in Algebra II or Honors Algebra 2, and the approval of the instructor.

545 H Technology Support

TechSupport

Grade 12

Credit 1

This course requires students to use analytical and problem-solving skills to resolve student, faculty, and staff technical problems. Students develop troubleshooting skills to diagnose and resolve problems for various types of computer equipment including printers, laptops, projectors, and tablets.

PREREQUISITE: Successful completion of Introduction to Computer Science (541) and approval of instructor

550 H STEM Senior Research Project

STEMResPro

Grade 12—Engineering Concentration Students Only

Credit 1

This is a year-long project-based experiential learning course that allows students to investigate a topic of their choice in the fields of Science, Technology, Engineering, or Mathematics. During the summer prior to the course students decide on a topic that they will begin to research. In the first semester the students will be initiating their research by writing a comprehensive literature review in order to understand, critically analyze, and explain current research. The students will write their introductions and methods sections by the end of the semester. During the 2nd Semester, students take the STEM knowledge and practical experiences gained from prior courses to demonstrate their competence with the Engineering Design Process or Scientific Method to implement their methods for their research. Students propose their own methods to that will allow them to gather the necessary data to perform an in-depth analysis. The course culminates with the submission of a term paper and presentation before both peers, faculty, and other guests.

PREREQUISITE: Successful completion or enrollment in all courses required to complete the Engineering Concentration and the approval of the instructor.

MATHEMATICS

403 CP Algebra 1A

Algebra1A

Grade 9

Credit 1

This course is the first half of a two-year sequence for Algebra

1. Topics include patterns in algebra, sets and properties of real numbers, algebraic operations, equations, proportional reasoning, slope and the equation of a line, statistics, and data analysis.

413 CP Algebra 1B

Algebra1B

Grade 10

Credit 1

This course is the second half of a two-year sequence for Algebra

1. Topics include linear functions, inequalities, absolute values, exponents, polynomials, factoring and quadratic functions, including the Quadratic Formula, and operations with rational expressions.

PREREQUISITE: Successful completion of Algebra 1A (403)

411 H Algebra 1

H Algebra 1

Grade 9

Credit 1

This Honors level course offers students a solid foundation in Algebra 1. Topics include solving word problems, proportional reasoning, inequalities, absolute values, exponents, polynomials,

and factoring. This course also presents topics in co-ordinate geometry, rational and irrational numbers. *Students must have a TI-83+ or TI-84 or a graphing calculator app for use in this course.*

412 CP Algebra 1

Algebra 1

Grade 9

Credit 1

This course offers students a strong foundation in Algebra

1. Topics presented in the course include solving equations, proportional reasoning, data analysis, inequalities, absolute value, exponents, exponential functions, polynomials, and factoring. This

course also includes an introduction to quadratic functions and the quadratic formula. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

420 H Honors Geometry

H Geometry

Grade 10

Credit 1

A strong background in Algebra 1 is required. Topics include an introduction to logic, the study of similar and congruent triangles, polygons, parallel lines, and trigonometry. The area, perimeter and volume of two-dimensional and three-dimensional objects are presented as well. This course makes use of the Geometer's Sketchpad computer program and features a discovery approach to Geometry. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

PREREQUISITE: Successful completion of Algebra 1 (412) with a B+ average or Honors Algebra 2 (431)

422 CP Geometry

Geometry

Grade 10

Credit 1

This course offers a comprehensive geometry program that includes logic and proof, polygons, similar and congruent figures coordinate geometry, perimeter, area and volume, and circles. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

PREREQUISITE: Successful completion of Algebra 1 (412) or Algebra 2 (432)

430 H Pre-Calculus

H Pre-Calc

Grades 11 and 12

Credit 1

This vigorous course prepares students to take the Advanced Placement Calculus (AB) course. Topics include the study of polynomial, exponential, logarithmic, and rational functions. Topics in trigonometry and analytic geometry are also included. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course. Students may opt to apply for dual*

enrollment credit with Notre Dame University Maryland (NDMU)-- additional fees may apply.

PREREQUISITE: Successful completion of Algebra 2 and recommendation of the Mathematics Chair, see page 4 for other prerequisites.

431 H Honors Algebra 2

Hon Alg 2

Grade 9 and 11

Credit 1

A strong background in Algebra 1 is required. Topics include systems of equations, quadratic functions, exponential and logarithmic functions. Polynomial, rational, and radical functions will also be included. *Students must have a TI-83+ or a TI-84 series graphing calculator for use in this course.*

432 CP Algebra 2

Algebra 2

Grades 11 and 12

Credit 1

This course offers a comprehensive Algebra 2 program. Topics include solving systems of equations, all types of functions (quadratic, polynomial, rational, radical, exponential, and logarithmic), conic sections, sequences, and series. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

PREREQUISITE: Successful completion of Algebra 1

444 CP Advanced Functions and Statistics

AdFunctStat

Grade 12

Credit 1

This course is designed for students who have a familiarity with basic algebraic functions. Topics include the study of quadratic, exponential, polynomial, logarithmic, and rational functions. This course also presents topics in descriptive and inferential statistics. Topics in probability are also included. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course.*

PREREQUISITE: Successful completion of Math 422 and 432 or permission of Mathematics Chair

441 H Calculus

H Calculus

Grade 12

Credit 1

This course is an honors level continuation of the Pre-Calculus course. Students undertake a detailed study of Differential and Integral Calculus. Students are not required to take the Advanced Placement exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course. Students may opt to apply for dual enrollment credit with Notre Dame University Maryland (NDMU)--additional fees may apply.*

PREREQUISITE: Completion of Pre-Calculus (430), see page 4 for other prerequisites.

440 AP Calculus AB

AP Calc AB

Grade 12 (or approval of instructor)

Credit 1

This course is a continuation of the Pre-Calculus course. Students undertake a detailed study of Differential and Integral Calculus. Students are expected to take the Advanced Placement Calculus AB exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course. Students may opt to take the AP test or apply for dual enrollment credit with Notre Dame University Maryland (NDMU)--additional fees may apply.*

PREREQUISITE: Completion of Pre-Calculus (430), see page 4 for other prerequisites.

445 AP Calculus BC

AP Calc BC

Grade 12 (or approval of instructor)

Credit 1

This course is for students who already have a thorough knowledge of the elementary functions. Students who study for the Advanced Placement BC course also review the AB course. Students are expected to take the Advanced Placement Calculus BC exam at the end of the academic year. *Students must have a TI-83+ or TI-84 series graphing calculator for use in this course. AP test fee may apply.*

PREREQUISITE: Completion of Calculus AB or Pre-Calculus, see page 4 for other prerequisites.

454 H, 455 CP Consumer Economics

HConsEcon

ConEcon

Grades 11 and 12

Credit 1

This math elective provides students with practical knowledge, a firm understanding of the concepts of sound personal, financial management, and the ability to successfully navigate through an ever- changing economic environment. Topics include an introduction to macroeconomics theory, budgeting, personal financial management, consumer credit and financing, risk management and insurance, savings and debt management strategies, investment options and alternatives, present and future values of a dollar, and tax planning.

TECHNOLOGY

153 CP Yearbook and Journalism

Yearbook

Grades 11 and 12

Credit 1

This course promotes skills in basic journalism, including design, journalistic writing, photography, and editing. Students compose and manipulate photos using Adobe Photoshop and explore layout and design elements of print and web-based publications and refine writing style. Students plan, create, interpret, and critique visual representations and carefully examine their product for publication. Twenty-first century skills in collaboration, creative thinking, technical literacy, communication, and critical thinking are also promoted. The course concludes with the completion of The Troubadour, the annual yearbook. All students adhere to yearbook procedures, including deadlines. Some members serve as editors, taking on a teaching role in the class. Students must be able to work after school and/or at home to meet deadlines.

PREREQUISITE: B or higher in English and teacher recommendation.

527 CP 21st Century Technology

21stCenTech

Grades 9, 10

Credit .5

This course focuses on developing and applying the skill set necessary to facilitate quality work in the educational endeavors of high school students. This class focuses on the Microsoft Office Suite, paying close attention to the variety of offerings that each software program has to offer. Additionally, the class explores photo-editing software via Adobe Photoshop as well as music editing software via Garage Band with Apple products.

526 Data Visualization

DataVisual

Grades 11, 12

Credit .5

Data Visualization is the graphical representation of information and data. By using visual elements like charts, graphs, and maps, data visualization tools provide an accessible way to see and understand trends, outliers, and patterns in data.

WORLD LANGUAGES

611 H, 612 CP French I

H French I

French 1

Grades 9, 10, 11, 12

Credit 1

This course is an introduction to the French language and the culture of the French-speaking world. This course helps students to develop an acceptable degree of proficiency in the four language skills: speaking, reading, listening, and writing. Cultural material is integrated into the learning process to develop an understanding and appreciation of the cultural heritage and lifestyles of the French-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for the course.

621 H, 622 CP French II

H French 2

French 2

Grades 9, 10, 11, 12

Credit 1

This course strengthens and broadens the skills of listening, speaking, writing, and reading acquired during French I. More complex grammatical structures and verb tenses are added to those taught during the first year of study. Students read longer texts and writing skills are further developed through guided composition. Auditory and speaking skills are developed more fully through classroom conversation and listening activities. This course continues to integrate cultural material into the learning process, expanding the students' appreciation of the cultural heritage and lifestyles of the French-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for this course.

PREREQUISITE: Honors-Honors French 1 or the recommendation of the TCHS French teacher, CP-CP French 1

631 H, 632 CP French III

H French 3

Grades 11 and 12

Credit 1

In this course, the student continues to expand and perfect all of the language skills learned during the first two levels and to broaden the study of the rich culture of the French-speaking world. Students compose original writing in French and begin to read French literature. Conversing in French is expected of students at this level.

PREREQUISITE: See page 4 for prerequisites.

641 H French IV

H French 4

Grade 11 and 12

Credit 1

This course is designed for students who wish to explore the French language and culture in more depth. It provides a thorough review of French grammatical structures and verb tenses. French literature, art, music and history are explored with increased emphasis on oral and written communication. Students

are expected to work on a large variety of activities that stress verbal fluency and oral comprehension, as well as perfecting writing skills in the French language.

PREREQUISITE: See page 4 for prerequisites.

646 H French V

French V

Grade 12

Credit 1

This course is designed for students who wish to explore the French language and culture at the AP level. It provides the six themes of the AP curriculum. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students are expected to work on a large variety of activities that stress verbal fluency and oral comprehension, as well as perfecting writing skills in the French language.

PREREQUISITE: H French 4

651 H, 652 CP, 653 CP Spanish I

HSpanish 1, Spanish 1

Grades 9, 10, 11, 12

Credit 1

This course is an introduction to the Spanish language and to the culture of the Spanish-speaking world. The objective of this course is to help each student develop an acceptable degree of basic proficiency in the four basic language skills: speaking, reading, listening, and writing. Cultural material is integrated into the learning process to enable the students to develop an understanding and appreciation of the cultural heritage and lifestyles of the Spanish-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for the course.

661 H, 662 CP, 663 CP Spanish II

HSpanish 2

Spanish 2

Grades 9, 10, 11, 12

Credit 1

This course strengthens and broadens the skills of listening, speaking, writing, and reading the Spanish language acquired during Spanish I. More complex grammatical structures and verb tenses are added to those taught during the first year of study. Students begin reading longer texts in Spanish and writing skills are developed through guided composition. Auditory and speaking skills are developed more fully through conversation and listening activities. This course continues to integrate cultural material into the learning process, expanding students' appreciation of the cultural heritage and lifestyles of the Spanish-speaking world. A more rigorous testing and grading standard is placed on those students earning Honors credit for this course.

PREREQUISITE: Honors-Honors Spanish 1 or the recommendation of the TCHS Spanish teacher, CP – CP Spanish 1

671 H, 672 CP Spanish III

HSpanish 3

Spanish 3

Grades 10, 11 and 12

Credit 1

During this course, students continue to expand and perfect all the language skills learned during the first two levels and to broaden their study of the rich cultural diversity of the Spanish-speaking world. Students compose original writing and give presentations in Spanish. Significant oral participation in Spanish is expected of students at this level. Cultural readings in Spanish continue to be an integral part of this course.

PREREQUISITE: See page 4 for prerequisites.

681 H Spanish IV

H Spanish 4

Grades 11 – 12

Credit 1

This course provides a thorough review of Spanish grammatical structures and verb tenses. The study of Spanish vocabulary is broadened with an emphasis placed on idiomatic expression.

Reading about the history and culture of the Spanish-speaking world and selected readings from Spanish literature provide material for compositions and conversation in Spanish. In addition, weekly conversations in Spanish on topics of interest to the students are integrated into the course. The video program, DESTINOS, is an integral part of this course.

PREREQUISITE: See page 4 for prerequisite

PHYSICAL EDUCATION

712 CP Physical Education

Phys Ed

Grade 9

Credit .5

The physical fitness of students is enhanced by a well-rounded physical education program that provides a variety of experiences to develop cardiovascular fitness, flexibility, agility, strength, cooperation, and coordination. Students will recognize the value of physical activity for health, enjoyment, challenge, self-expression, and social interaction.

722 CP Physical Education/Wellness

PE/Wellness

Grades 11 and 12

Credit 1

This course is a continuation of physical education at an advanced level of participation in individual and team sports. The topics of wellness and life-long fitness are integrated in the course.

Approval of the Athletic Director is required.

732 CP Health Education

Health

Grade 9

Credit .5

This class educates students on the principles of personal health and wellness and examines the physical, emotional, social, and environmental factors that impact health. A wide variety of topics are addressed to give students an all-inclusive perspective on health and well-being. Topics include healthy lifestyles, drugs and

medicines, nutrition, risk behaviors, mental health, stress, and current events related to health. This class teaches students how to make healthy life choices. Students will gain the knowledge and skills necessary to work toward an overall sense of well-being.

VISUAL AND PERFORMING ARTS

McCafferty Honors Visual and Performing Arts Program

TCHS offers a four-year sequence in piano, visual art, band, orchestra, vocal music, or theatre. The four-year course of study requires graduated levels in the subject area. Unless specifically noted, visual and performing art classes are open to any TCHS student so they may satisfy the visual and performing art credit required for graduation.

Piano	Piano 1	Piano 2	Piano 3	Piano 4	AP Music Theory
Band	Marching Band/ Symphonic Band	Marching Band/Symphonic Band 2	Marching Band/Symphonic Band 3	Chamber Wind Ensemble	AP Music Theory
Orchestra	String Orchestra 1	String Orchestra 2	String Orchestra 3	String Orchestra 4 (Honors)	AP Music Theory
Choir	Concert Choir	Chamber Choir	A Cappella Choir	A Cappella Choir	AP Music Theory
Visual Art	Studio Art 1	Intermed Studio Art	Advanced Studio Art 1	Advanced Studio Art 2	Art Castone
Theatre	Speech & Drama, Technical Theatre	Theatre 1, Theatrical Dance	Women in Theatre, Acting & Directing	Capstone Theatre Project I and II	

MUSIC

817 Marching Band/Symphonic Band

Mar/SymBand

Grades 9, 10, 11, 12

Credit 1

This course provides intermediate/advanced woodwind, brass, and percussion instruction in a class setting. The first half of the school year (commencing with a required summer band camp) is the Marching Band portion. Students will receive instruction on marching/choreography as well as ensemble fundamentals and individual technique using Marching Band literature. Daily after school rehearsal is required. Although uniforms will be provided, students will be required to purchase accessories, and outside performances (e.g. weekend parades) are mandatory. When the Marching Band season is complete, Symphonic Band takes over. Emphasis is placed on ensemble fundamentals and individual technique through the performance of classical and contemporary wind band literature. Students will be required to purchase concert and travel apparel. The Symphonic Band performs in school and community concerts, as well as MMEA Assessment and out-of-state band festivals. Extra rehearsals and performances are required as part of this course. Freshmen and new members begin their studies in Marching Band/Symphonic Band.

PREREQUISITE: Audition and permission of the instructor

809 H Chamber Winds (I-III)

ChamWind

Grades 10, 11, 12

This course is designed for advanced wind and percussion students. Chamber students will gain exposure to professional chamber wind literature and develop skills to achieve individual music goals, such as All-State, Honor Band, and college auditions. During concert and festival performances, the Chamber Winds will join the TCHS String Orchestra to form the TCHS Symphony Orchestra and will also perform with the TCHS Symphonic Band. Extra rehearsals and performances are required as part of this course. Chamber Winds students may participate in Marching Band as long as they attend the required summer band camp and after school rehearsals.

PREREQUISITE: Symphonic Band I, audition and permission of the instructor

806 CP String Orchestra

StringOrch

Grades 9, 10, 11, 12

Credit 1

TCHS String Orchestra provides intermediate/advanced string instruction in a class setting. Emphasis is placed on ensemble fundamentals and individual technique through the performance of string and full-orchestral literature. For select performances, the Symphonic Band and/or Chamber Winds combines with the String Orchestra to form the TCHS Symphony Orchestra. The String Orchestra performs in school and community concerts, extra rehearsals and performances are required as part of this course.

807 H String Orchestra

HStringOrc

Grades 10,11,12

Credit 1

Honors Orchestra is a course designed for advanced String students. Honors Orchestra students perform a variety of challenging musical literature and develop skills to achieve individual music goals, such as All-State, Honor Band, and college auditions. The Honors Orchestra may perform with any combination of TCHS ensembles or clubs at the many concert, recital, and festival performances they have through the year. The Honors Orchestra also performs at all school liturgies with the Chamber Winds.

PREREQUISITE: Requires permission of the instructor

813 CP Concert Choir

ConcertChoir

Grades 9, 10, 11, 12

Credit 1

TCHS Concert Choir is the largest vocal ensemble. This choir receives instruction in the fundamentals of singing and beginning music theory. As this is a performance-based course, rehearsals and concert performances are mandatory. The Concert Choir, with the Chamber Choir and the A Cappella, perform at the TCHS Christmas Concert and the TCHS Spring Concert. After school

rehearsals are held the week prior to each concert. Additionally, some performances may be held outside of school hours and/or off-site. Choir members are expected to participate. New choir members are expected to purchase Concert Apparel.

PREREQUISITE: Vocal audition and permission of instructor

814 H Chamber Choir

ChambChoir

Grades 10, 11, 12

Credit 1

TCHS Chamber Choir is a smaller select ensemble that focuses on repertoire of an advanced caliber which places more responsibility on the individual singer. Students continue to receive instruction in music theory, as well as an overview of music history. Chamber Choir shares some repertoire with Concert Choir and performs some of the larger works with them, in addition to doing community service with that group at Christmas and other engagements.

PREREQUISITE: Audition with the director demonstrating advanced level of musicianship for assigned placement in the ensemble. Candidate must be able to read music and demonstrate vocal accomplishment.

816 H A Cappella Choir

ACappella

Grades 11, 12

Credit 1

TCHS A Cappella Choir is the most advanced vocal ensemble course. Students receive advanced instruction in vocalizing. A Cappella Choir performs four concerts annually. In addition to the concerts, the group may make guest appearances for community events and fundraisers. Singers are vocally challenged through advanced levels of singing and complex harmonies. To increase creative expression, singers are also asked to perform music with choreography. Singers learn to work in small groups (sectionals) and become leaders within the group. To increase aesthetic awareness, students are encouraged to research interesting multicultural choral groups and present them to the conductor. The TCHS A Cappella Choir shares some repertoire with Chamber Choir and Concert Choir.

PREREQUISITE: Audition for the director demonstrating

advanced level of musicianship for assigned placement in the ensemble. Candidate must be able to read music and sight sing.

823 CP Piano 1

Piano

Grades 9, 10, 11, 12

Credit 1

This course offers entry-level instruction in piano technique, practice habits, organizational skills, keyboard theory, sight-reading, and performance. Students are expected to develop personal discipline, including maintenance of a regular practice schedule.

824 CP Piano 2

Piano 2

Grades 9, 10, 11, 12

Credit 1

This course reinforces and continues the development of technical skills, keyboard theory, sight-reading, and recital performance. Basic analysis of musical form and style are introduced and practically applied.

PREREQUISITE: Piano 1 and/or recommendation of instructor

828 CP Piano 3

829 CP Piano 4

Piano 3, Piano 4

Grades 9, 10, 11, 12

Credit 1

These courses offer expansion, refinement, and practical application of previously acquired skills, with emphasis on study and performance of piano literature of all major historical periods. Opportunities for accompanying and large ensemble (orchestra, band, wind ensemble, pit orchestra) participation are available based on Instructor recommendation.

PREREQUISITE: Piano 1 and 2 and/or recommendation of instructor

810 AP Music Theory

AP MusThry

Grades 10, 11 and 12

Credit 1

This advanced level course is designed to engage students in learning activities that help them to achieve the outcome assessed by the College Board's AP Music Theory exam. The course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities are developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1650-1850), materials and processes found in other styles and genres are also studied. Students are encouraged to sit for the College Board's AP Theory exam. Students who successfully complete the AP Music Theory Exam and plan to major in music in college, may be able to enroll in an advanced music theory course, depending upon the individual college's policy. *Students may opt to take the AP test or apply for dual enrollment credit with Notre Dame University Maryland (NDMU)--additional fees may apply.*

826 CP Guitar I

Guitar 1

Grades 9, 10, 11, 12

Credit .5

Students learn the basic fundamentals and techniques of playing acoustic guitar including tablature, chords, fingerpicking, and music notation. Music theory, composition, and small ensemble playing are also emphasized in this course. Performance in the Christmas Concert is mandatory. Instruments are provided. Prior musical knowledge is helpful, but not required.

827 CP Guitar II

Guitar 2

Grades 9, 10, 11, 12

Credit .5

This class is a continuation of Guitar I. Guitar II performs pop songs, ensemble pieces, scales, and more advanced techniques of acoustic guitar. Performance in the Spring Concert is mandatory.

PREREQUISITE: Completion of Guitar I

ART

831 CP Basic Studio Art

Studio Art

Grades 9, 10, 11, 12

Credit 1

This foundation course covers the basic handling of tools, materials, and techniques. In this basic design course students understand how art works through the elements of art and principles of design. They are able to write about and discuss concepts, ideas, styles, and artists, as well as produce art, solving technical, visual, and creative problems encountered by all artists.

833 CP Intermediate Studio Art

Int Art

Grades 10, 11 and 12

Credit 1

This course is a continuation of Basic Studio Art with an emphasis on using previously acquired skills to express ideas, values, and feelings that are important to individuals and society. Students continue to learn about the rich diversity of art forms that have been made throughout history and around the world.

PREREQUISITE: Grade of B+ or above in Basic Studio Art and permission of instructor

832 CP Advanced Studio Art 1

839 H Advanced Studio Art 2

Adv Studio Art

Grades 10, 11 and 12

Credit 1

These courses are a continuation of Intermediate Art. Various topics are explored in more detail. The development of a personal portfolio is required.

PREREQUISITE: Grade of B+ or above in Intermediate Studio Art or an interview with the teacher along with submission of drawings

846 CP Sculpture and 3-D Design

Sculpt3-DDesign

Grades 10, 11 and 12

Credit .5

This course introduces students to the idea of thinking conceptually and creating dimensionally. Students are taught sculpture and 3-D design skills using a variety of materials such as cloth, string, clay, plaster, wood, wire, and paper. Students also work on product design as well as theatre props and set design. Creative and “outside of the box” thinking is encouraged.

THEATRE

861 CP Speech and Drama

Sp/Drama

Grades 9, 10, 11, 12

Credit .5

Students improve the art of communication in the first quarter with writing and performing simple introductory speeches. Students acquire the skills to write and present a three to five minute speech on a topic that interests them. Students learn how to deal with stage fright. During the second quarter students delve into the Dramatic Arts by preparing (learning lines, blocking, etc.) and performing a 30-minute Children’s Theatre Production at a near-by childcare center.

864 CP Theatre

Theatre1

Grades 10, 11, 12

Credit .5

This course begins with an overview of the History of Theatre and takes a look at playwrights through the centuries, such as Euripides, Shakespeare, and Moliere. Students explore pantomime, improvisation, and scene-work. The culmination of the class is the presentation of a five-minute scene from a play of the student’s choosing.

865 CP Technical Theatre

Tech Theat

Grades 9, 10, 11, and 12

Credit .5

Students learn elements of theatrical production, including set design, color coding a scene, costuming and make-up, light designing and how to operate a sound board. Students may run the backstage crew for our theatrical productions.

866 CP Women in Theatre and Film

WomenTheat

Grades 11, 12

Credit .5

This course examines the history of women on stage, in play writing and on film. The theater was a sexist place for many centuries. Women were not even allowed to attend the theater until the 4th Century BC, let alone act in it. Males played all of Shakespeare's characters. We explore how women "broke" into this field and what was the price for doing so. In many cases, if a woman became too independent, there was a consequence. The class explores this topic with films, such as *Camille*, *Mildred Pierce*, *Carmen Jones*, and *Dial M for Murder*.

867 CP Acting and Directing

Act&Direct

Grades 11, 12

Credit .5

Students learn how to go deeper into the acting process by connecting their own experiences and emotions to the characters they portray. Students use the Stanislavski method and learn how to create a sub-text for stage characters. Students learn vocal exercises to help them project and enunciate on stage. Finally, students apply what they learned by directing their peers in short scenes.

870 CP Theatrical Dance

Theat/Dance

Grades 10,11,12

Credit .5

This class combines learning the styles of famous choreographers

such as Gene Kelly, Ginger Rogers, and Bob Fosse. We then take their techniques and create our own dance steps with the help of a guest choreographer. This course requires after school hours.

PREREQUISITE: Must be enrolled in the VPA Theatre Program or have approval of instructor.

869 CP, 868 H Theatre Capstone Project

TheaProjCP

TheaProjH

Grades 11-CP, 12-H

Credit 1

This course is the culmination of the 4-year VPA Theatre Program. The seniors choose a 30-minute scene from a play and cast, direct, design lighting, sound, costumes, make-up, etc. The performances are viewed on an evening in late April. Juniors (in the Theatre Program) are also able to take this course and learn advance-acting skills as well as perform scenes from Shakespeare. The juniors are cast in the seniors' capstone project. This is a required course for seniors in the VPA Theatre Program and an optional course for juniors. This course may be taken both junior and senior year since the grade levels are completing different tasks.

PREREQUISITE: Juniors taking this class must be in the VPA Program or have permission of the instructor.

DANCE

872 Dance 1: Foundations of Dance

DanceFound

Credit 1

The purpose of this course is to provide students with an opportunity to explore foundational concepts of dance. Students gain an understanding of movement science, historical and cultural aspects of dance, and dance genres. Students explore and analyze dance through the perspective of a dancer, choreographer, and observer.

HONOR SOCIETIES

National Honor Society - Mother Generosa Chapter

- Overall 3.5 GPA (weighted) by the end first semester of the junior or senior year.
- Demonstrated leadership, service, and scholarship.
- Invitations are sent in the spring.

National English Honor Society - Sister Corda Marie Bergbauer Chapter

- Junior Applicants: Completion of at least one honors English course; enrollment in either Honors British Literature or AP English Language and Composition at time of application.
- Senior Applicants: Completion of at least two honors and/or AP English courses; enrollment in either Honors World Literature or AP English Literature and Composition at time of application.
- A weighted GPA of 3.75 on a 4.0 scale overall at time of application, and an 'A' (93-100) average in all English core coursework at time of application.
- The application process takes place in January of the current school year.

National Art Honor Society

- Students may apply in the spring of their sophomore year by submitting a thoughtful and well written application.
- Cumulative grade point average of a 3.0 is required. Students must have earned A's in their art classes.
- Students must have completed at least one full credit of an art class.

National Science Honor Society

- Cumulative unweighted grade point average of 3.5 or higher with no grade lower than a B+.
- Cumulative science unweighted grade point average of 3.5 or higher with no grade lower than a B+
- Successful completion of a minimum of 2 Honors or Higher Science courses.
- Well written and thoughtful essay in their application.
- Must also be enrolled in a science class all 4 years.
- The students will serve as science tutors.

French Honor Society

- Candidates must have a 93% cumulative average in French (1 ½ year of French).
- Candidates must have no grade below an 89%.
- Candidates must be a sophomore or junior and be enrolled in an advanced French class (3 years of language).
- Applications/invitations to membership are distributed in the second semester of the student's second year of French.

Spanish Honor Society, El Greco Chapter

- Selection for membership is based upon academic accomplishment in the study of Spanish and the student's decision to continue with her study of Spanish beyond the State of Maryland requirement for World Language in the upper levels.
- Students must have the ability to maintain a 93 during two complete years of study in Honors Spanish or a 96 in two complete years of study in CP Spanish and the student must have an interest and respect for the Spanish language and culture that she is studying.

Tri-M Music Honor Society

- Tri-M recognizes students that have gone above and beyond academically and musically.
- Tri-M also provides students leadership opportunities to make a difference in their community through music-based service projects.
- To qualify for a nomination to Tri M, students must a grade of A in all music performance classes, and no less than a B in all other classes. Students are typically notified in January of their nominations.
- Tri-M requires regular monthly attendance at meetings, service hours particular to Tri M and once a year dues.

New! Dance Honor Society

- To qualify, students must participate in The Dance Experience which will take place after school two days a week. This is an opportunity for students who are interested in dance to learn from each other, share their love of dance with the school community, and explore different dance styles from guest instructors. This experience is open to all students, levels, and styles of dancers. For more information and to sign up, please see Ms. Costanzo.

